

ALEXION PHARMACEUTICALS INC  
 Form 4  
 May 15, 2008

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**MATHIS LARRY**

2. Issuer Name and Ticker or Trading Symbol  
**ALEXION PHARMACEUTICALS INC [ALXN]**

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
**352 KNOTTER DR, C/O ALEXION PHARMACEUTICALS INC**  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**05/14/2008**

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**CHESHIRE, CT 06410**

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D) Code V Amount (D) Price			
Common Stock, par value \$.0001 per share	05/14/2008		S	63 D \$ 70.98	6,937	D	
Common Stock, par value \$.0001 per share	05/14/2008		S	600 D \$ 70.98	6,337	D	
	05/14/2008		S	137 D	6,200	D	

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Common Stock, par value \$.0001 per share					\$			
					71.01			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	6,100		D
					71.01			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	6,000		D
					71.02			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	5,900		D
					71.02			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	5,800		D
					70.99			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	5,700		D
					71.02			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	5,600		D
					71			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	5,500		D
					71.02			
Common Stock, par value \$.0001 per share	05/14/2008	S	100	D	\$	5,400		D
					71.04			
	05/14/2008	S	100	D		5,300		D

Common Stock, par value \$.0001 per share					\$				
					71.04				
Common Stock, par value \$.0001 per share	05/14/2008		S	200	D	\$	5,100		D
						71.04			
Common Stock, par value \$.0001 per share	05/14/2008		S	100	D	\$	5,000		D
						71.05			

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repor Trans (Instr
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
				Code	V (A) (D)				

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MATHIS LARRY 352 KNOTTER DR C/O ALEXION PHARMACEUTICALS INC CHESHIRE, CT 06410	X			

## Signatures

/s/ Larry Mathis

05/15/2008

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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